

Notice of Allowability

Application No.

09/753,686

Applicant(s)

COLLEY ET AL.

Examiner

VAN H. NGUYEN

Art Unit

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Appeal Brief filed 12/12/2006 and the telephonic interview on 05/04/2007.
2. ☒ The allowed claim(s) is/are 1-3, 5-8, 15, 17, and 19-22 (now renumbered as 1-13).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

1. This communication is responsive to the Appeal Brief filed 12/12/2006 and the telephonic interview on 05/04/2007.

Claims 1-3, 5-8, 15, 17, and 19-22 are pending in this application. With this Examiner's amendment: claims 1, 5, 7, 15, and 17 have been amended; and claims 4 and 9 have been cancelled.

2. **EXAMINER'S AMENDMENT:**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Erika H. Arner (Reg. No. 57, 540) on 05/04/2007.

The application has been amended as follows:

In the Claims:

- (a) All previous copies of claims 1, 5, 7, 15, and 17 have been replaced with the following clean copy of claims 1, 5, 7, 15, and 17 as amended by the Examiner's amendment:

Claim 1. A method in a distributed system for passing a first object and a second object, wherein the first object and the second object are instances of a class, comprising the steps of:

passing the first object from a sender to a recipient with a descriptor of the class and a handle corresponding to the descriptor;

storing the handle and the descriptor received from the sender with the first object by the recipient;

passing the second object from the sender to the recipient with the handle;

using the handle received by the recipient with the second object to access the descriptor received by the recipient with the first object;

using the descriptor by the recipient to interpret the first object; and

using the descriptor by the recipient to interpret the second object.

Claim 5. A method in a distributed system for passing a first object and a second object to a recipient, wherein the first object and the second object are instances of a class, comprising the steps of:

passing, by a sender, the first object to the recipient with a descriptor of the class and a handle corresponding to the descriptor, whereupon receipt by the recipient, the recipient uses the descriptor to interpret the first object and stores the handle and the descriptor; and

passing, by the sender, the second object to the recipient with the handle, whereupon receipt by the recipient, the recipient uses the handle received with the second object to access the descriptor of the class received with the first object and uses the descriptor to interpret the second object.

Claim 7. A method in a distributed system for interpreting a first object and a second object, wherein the first object and the second object are instances of a class, comprising the steps of:

receiving the first object from a sender with a descriptor of the class and a handle corresponding to the descriptor;

storing the handle and the descriptor;

receiving the second object with the handle;

using the handle received with the second object to access the descriptor received with the first object;

using the descriptor by the recipient to interpret the first object; and

using the descriptor by the recipient to interpret the second object.

Claim 15. A distributed system comprising:

a client computer, comprising:

a memory with a client program that sends a first object and a second object of a class to a remote location together with a handle corresponding to a descriptor of the class, and with an outgoing serialization context that stores the descriptor of the class and the handle corresponding to the descriptor; and

a processor that runs the client program; and

a server computer, comprising:

a memory with an incoming serialization context that stores the descriptor of the class and the handle received from the client computer with the first object, and with a server program that uses the descriptor of the class to interpret the first object, receives the second object from the client program, uses the handle received with the second object to access the descriptor of the class stored in the incoming serialization context, and uses the descriptor of the class to interpret the second object; and

a processor that runs the server program.

Claim 17. A computer-readable medium containing instructions for controlling a

data processing system to perform a method, the method for sending a first object and a second object from a source to a destination, wherein the first object and the second object are instances of a class, the method comprising the steps of:

sending the first object from the source to the destination with a descriptor of the class and a handle corresponding to the descriptor;

storing the handle and the descriptor received from the source by the destination;

using the descriptor by the destination to interpret the first object;

sending the second object from the source to the destination with the handle;

using the handle received by the destination with the second object to access the descriptor received by the destination with the first object; and

using the descriptor to interpret the second object.

(b) **Claims 4 and 9 have been cancelled.**

3. **REASONS FOR ALLOWANCE:**

Claims 1-3, 5-8, 15, 17, and 19-22 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art does not expressly teach or render obvious the invention as recited in independent claims 1, 5, 7, 15, and 17.

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The features as recited in independent claims 1, 5, 7, 15, and 17 *“using the handle received by the recipient (server) with the second object to access the descriptor received by the recipient with the first object; using the descriptor by the recipient to interpret the first object and the second object, wherein the objects are instances of a class”*, when taken in the context of the claims as a whole, was not uncovered in the prior art teachings.

Nor were references uncovered that would have provided a basis of evidence for asserting a motivation that one of ordinary skill level in the art at the time the invention was made, knowing of a method for passing objects in this specific environment, would have integrated or modified to teach the method for passing objects, both instances of a class, in distinct remote method calls in a distributed system including the specific features as recited in the context of independent claims 1, 5, 7, 15, and 17.

Dependent claims are allowed as they depend upon allowable independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

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CONTACT INFORMATION

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM - 6:00PM. The examiner can also be reached on alternative Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WILLIAM THOMSON can be reached at (571) 272-3718.

The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner for patents
P O Box 1450
Alexandria, VA 22313-1450



VAN H. NGUYEN
PRIMARY EXAMINER